

IN THE CLAIMS:

Please amend the claims as follows:

1. (Previously Presented) A method of debugging executable code configured to access associated data in a data repository, comprising:

initiating a debugging session for the executable code, and, during the debugging session:

monitoring step-by-step execution of the executable code;

determining whether the monitored executable code has accessed the associated data in the data repository;

if so, determining whether to display the associated data on the basis of whether the associated data is restricted data; wherein determining whether to display the associated data comprises referencing predefined access restriction rules defining at least one rule preventing at least a portion of the associated data from being displayed to unauthorized users; and

upon determining not to display the associated data on the basis of the referenced predefined access restriction rules, outputting masking characters on an output screen indicative of the associated data without revealing a value of the associated data, whereby selected data from the data repository is concealed from a user debugging the executable code.

2. (Previously Presented) The method of claim 1, wherein determining whether to display the associated data comprises determining whether the associated data can be provided to a debugger user interface.

3. (Canceled)

4. (Previously Presented) The method of claim 1, wherein determining whether to display the associated data comprises referencing a restricted data table created in response to reading the associated data from the repository and according to the predefined access restriction rules.

5. (Previously Presented) The method of claim 1, wherein determining whether to display the associated data is performed by a debugging program.
6. (Previously Presented) The method of claim 1, wherein determining whether to display the associated data is performed by a debugging program implementing the predefined access restriction rules.
7. (Canceled)
8. (Previously Presented) The method of claim 1, wherein determining whether to display the associated data comprises referencing a parse expression defining a data format and an output expression defining a restricted portion of the parse expression.
9. (Currently Amended) A computer-readable storage medium containing a debug program which, when executed, performs an operation ~~comprising~~, during a debugging session initiated to debug of executable code, the operation comprising:
monitoring step-by-step execution of the executable code, wherein the executable code is configured to access associated data in a repository;
determining whether the monitored executable code has accessed the associated data in the repository; ~~and~~
upon determining that the monitored executable code has accessed the associated data in the repository, determining whether to display the associated data on the basis of whether the associated data is restricted data; wherein determining whether to display the associated data comprises referencing predefined access restriction rules defining at least one rule preventing at least a portion of the associated data from being displayed to unauthorized users; and
upon determining not to display the associated data on the basis of the referenced predefined access restriction rules, outputting masking characters on an output screen indicative of the associated data without revealing a value of the associated data, whereby selected data from the data repository is concealed from a user debugging the executable code ~~determining whether the associated data can be displayed on the basis of whether the associated data is restricted data; wherein~~

~~determining whether the associated data can be displayed comprises referencing predefined access restriction rules defining at least one rule preventing at least a portion of the associated data from being displayed to unauthorized users, whereby selected data from the data repository is concealed from a user debugging the executable code.~~

10. (Currently Amended) The computer-readable storage medium of claim 9, wherein determining whether the associated data can be displayed comprises determining whether the associated data can be provided to a debugger user interface.

11. (Currently Amended) The computer-readable storage medium of claim 9, further comprising:

determining that the associated data cannot be displayed; and
outputting text characters on an output screen indicative of the associated data without revealing a value of the associated data.

12. (Currently Amended) The computer-readable storage medium of claim 9, wherein determining whether the associated data can be displayed comprises referencing a restricted data table created in response to reading the associated data from the repository and according to the predefined access restriction rules.

13. (Canceled)

14. (Currently Amended) The computer-readable storage medium of claim 9, wherein determining whether the associated data can be displayed comprises referencing a parse expression defining a data format and an output expression defining a restricted portion of the parse expression.

15. (Currently Amended) The computer-readable storage medium of claim 9, wherein the executable code accesses the associated data comprising a record and wherein determining whether the associated data can be displayed comprises:

referencing the predefined access restriction rules defining at least one rule preventing at least one field value from being displayed; and
determining whether the record contains the at least one field value.

16. (Currently Amended) A computer-readable storage medium containing a debug program which, when executed, performs an operation of debugging executable code configured to access associated data in a repository, the debug program comprising:

a debugger user interface; and

a debug engine configured to:

initiate a debugging session for the executable code, and, during the debugging session:

monitor step-by-step execution of the executable code;

determine whether the monitored executable code has accessed the associated data in the data repository;

upon determining that the monitored executable code has accessed the associated data in the data repository, determine determining whether to display the associated data on the basis of whether the associated data is restricted data; wherein determining whether to display the associated data comprises referencing predefined access restriction rules defining at least one rule preventing at least a portion of the associated data from being displayed to unauthorized users;
and

upon determining not to display the associated data on the basis of the referenced predefined access restriction rules, output masking characters on an output screen indicative of the associated data without revealing a value of the associated data, whereby selected data from the data repository is concealed from a user debugging the executable code
~~selectively pass data to the debugger user interface according to predefined access restriction rules defining at least one rule prohibiting at least a portion of the associated data from being displayed to a user operating the debug program, whereby selected data from the data repository is concealed from the user debugging the executable code.~~

17. (Currently Amended) The computer-readable storage medium of claim 16, wherein the debug engine is configured to:

determine that the associated data cannot be displayed during the debugging session; and

conceal the display of the associated data by displaying text characters on an output screen indicative of the associated data without revealing a value of the associated data.

18. (Currently Amended) The computer-readable storage medium of claim 16, wherein the debug engine is configured to selectively pass data to the debugger user interface by referencing a restricted data table created in response to reading the associated data from the repository and according to the predefined access restriction rules.

19. (Currently Amended) The computer-readable storage medium of claim 16, wherein the at least one rule defines a value and an associated value, wherein if the associated value has been displayed the debug engine will not provide the value to the debugger user interface for display.

20. (Currently Amended) The computer-readable storage medium of claim 16, wherein the at least one rule defines a parse expression defining a data format and an output expression defining a restricted portion of the parse expression, whereby all values having restricted portion will not be provided to the debugger user interface for display.